



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

PIEDMONT REGIONAL OFFICE

4949-A Cox Road, Glen Allen, Virginia 23060

(804) 527-5020 Fax (804) 527-5106

www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

Gerard Seeley, Jr.
Regional Director

February 28, 2008

King William County
McCauley Park
Pump Station
Certificate to Operate
23358

Jim Duke
Rodgers – Chenault, Inc.
9235 Shady Grove Rd. Suite 200
Mechanicsville, Va. 23116

Dear Mr. Duke:

Your Certificate to Operate the referenced facility is enclosed.

Sincerely,

A handwritten signature in dark ink, reading "Raymond R. Barrows Jr.", written in a cursive style.

Raymond R. Barrows, Jr., P.E.
Area Engineer
Office of Wastewater Engineering

J. R. Bell Jr., DEQ-PRO
Thomas Irungu, M.D., M.P.H., Director, Three Rivers Health District
Cameron Palmore, PE, Balzer



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

CERTIFICATE TO OPERATE

EFFECTIVE DATE: February 28, 2008

FACILITY NAME: McCauley Pump Station

OWNER: Hampton Roads Sanitation District

DESCRIPTION OF FACILITY SYSTEM: The project consists of construction of a duplex, submersible pump station to serve a residential subdivision. Each pump is rated at 350 gallons per minute at maximum system head.

CERTIFICATE OF COMPLETION: By letter of November 21, 2007, the design engineer, Balzer and Associates, certified the facility has been completed, substantially in accordance with the approved plans

AUTHORIZATION TO OPERATE: The owner is authorized to operate these facilities in accordance with the Sewage Collection and Treatment Regulations with the condition that an Operation and Maintenance Manual is submitted to the Department of Environmental Quality within 60 days for review and approval.

LOG NUMBER: 23358

ISSUED BY:

A handwritten signature in cursive script, reading "Raymond R. Barrows, Jr.", written over a horizontal line.

Raymond R. Barrows, Jr., P.E.
Area Engineer
Office of Wastewater Engineering

A handwritten date in cursive script, reading "February 28, 2008", written over a horizontal line.

Date



RECEIVED
NOV 26 2007
PRO

November 21, 2007

Mr. Raymond Barrows, P.E.
DEQ – Piedmont Regional Office
4949-A Cox Road
Glen Allen, Virginia 23060

Dear Mr. Barrows,

The McCauley Park Pump Station, located in King William County, Virginia, has been constructed and completed in accordance with the approved construction plans and specifications. Upon receipt of this letter please schedule a final inspection so that a certificate of operation can be issued.

Sincerely,

F. Cameron Palmore, P.E.

Cc: Charlie Lefon, King William County
Jim Duke, McCauley Park, LLC

• PLANNERS • ARCHITECTS • ENGINEERS • SURVEYORS

880 Technology Park Drive • Suite 200 • Glen Allen, Virginia 23059 • (804) 553-0132 • FAX (804) 553-0133

PREPARATION

Mr. Canley

1. Gather plans.
2. Alert remote station to testing.
3. Get a 25' tape or measuring rod.
4. Get a stop watch.
5. Fill wet well to nearly alarm level.
6. Have enough standby water to completely fill wet well.

TEST ALARM

1. Add enough water to cause alarms to sound and verify remote.

TEST PUMPING RATES

1. Pump down the well enough to clear alarm.
2. Measure from lip of well to water.
3. Pump with one pump for one minute.
4. Calculate pumped volume from chart.

23
22 *15"*

- Wet well diameter
- Gal/in drawdown

3'	4'	5'	6'	8'
4.4	7.8	12	18	31

12
63
51
313

373
31
15
419

5. Repeat with second. pump.
If there are three pumps, do procedure with each pair of pumps.

TEST "OFF"

24 *15"*
23.

1. With both pumps running, pump down to cutoff.

TEST "ON"

1. Fill until lead pump starts.
2. Turn off lead pump.
3. Continue to fill until lag pump starts.

TEST ALTERNATE

1. Pump down to cutoff.
2. Fill a second time until pumps alternate.